Instruction manual

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MODEL 8604
12/14.4 V Charger
MODEL 8624
19.0 V Charger

IMPORTANT

Please make certain that the person who is to use this equipment carefully reads and understands these instructions before starting operations.

The Model and Serial No. plate is located on the main housing of the tool. Record these numbers in the spaces below and retain for future reference.

Model No. _____

Type _____

Serial No. _____

To learn more about Porter-Cable visit our website at:

http://www.porter-cable.com

PORTER+CABLE
PROFESSIONAL POWER TOOLS

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Part No. 894901 - 03-21-02

GENERAL SAFETY RULES

⚠ **WARNING: READ AND UNDERSTAND ALL INSTRUCTIONS.** Failure to follow all instructions may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS.

⚠ **WARNING:** There are certain applications for which this tool was designed. Porter-Cable strongly recommends that this tool NOT be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application DO NOT use the tool until you have written Porter-Cable and we have advised you.

Technical Service Manager
Porter-Cable Corporation
4825 Highway 45 North
Jackson, TN 38305

SAFETY INSTRUCTIONS FOR CHARGERS AND BATTERIES

1. **SAVE THESE INSTRUCTIONS**. This manual contains important safety and operating instructions for Porter-Cable Models 8604 and 8624 Battery Charger.
2. **BEFORE USING A BATTERY CHARGER,** read all instructions and cautionary markings on (1) battery charger, (2) battery pack, and (3) product using battery.
3. **CAUTION:** To reduce risk of injury, Porter-Cable chargers should only be used to charge Porter-Cable battery packs. Other types of batteries may burst causing personal injury and damage.
4. **DO NOT EXPOSE CHARGER** to rain, snow, or frost.
5. **DO NOT ABUSE CORD.** Never carry charger by cord or yank to disconnect from receptacle. Pull by plug rather than cord when disconnecting charger. Have damaged or worn power cord and strain reliever replaced immediately. **DO NOT ATTEMPT TO REPAIR POWER CORD.**
6. **MAKE SURE CORD** is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
7. **DO NOT USE AN EXTENSION CORD** unless absolutely necessary. Use of improper extension cord could result in a risk of fire and electric shock. If an extension cord must be used, make sure:
   A. That the pins on plug of extension cord are the same number, size, and shape as those of plug on charger.
   B. That the extension cord is properly wired and in good electrical condition.
   C. Wire Size of cord is at least as specified in following chart:

LENGTH OF CORD IN FEET	25	50	100	150
AWG SIZE OF CORD	18	18	18	16

   D. If an extension cord is to be used outdoors it must be marked with the suffix W-A or W following the cord type designation. For example – SJTW-A to indicate it is acceptable for outdoor use.
8. **DO NOT OPERATE** charger with damaged cord or plug – have it replaced immediately to avoid a hazard. **DO NOT ATTEMPT TO REPAIR POWER CORD.**
9. **DO NOT OPERATE** charger if it has received a sharp blow, been dropped, or otherwise damaged in any way, take it to a qualified serviceman.
10. **DO NOT DISASSEMBLE** charger or battery pack. Take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.

11. UNPLUG CHARGER from outlet before attempting any maintenance or cleaning to reduce risk of electric shock.

12. CHARGE THE BATTERY PACK in a well ventilated place. Do not cover the charger and battery pack with a cloth, etc., while charging.

13. DO NOT STORE the charger or battery pack in locations where the temperature may reach or exceed 122°F/50° C (such as a metal tool shed or a car in the summer), which can lead to deterioration of the storage battery.

14. DO NOT CHARGE BATTERY PACK when the temperature is BELOW 40°F/4° C or ABOVE 104°F/40° C. This is very important for proper operation.

15. DO NOT INCINERATE BATTERY PACK. It can explode in a fire.

16. DO NOT CHARGE BATTERY in damp or wet locations.

17. DO NOT ATTEMPT to charge any other cordless tool or battery pack with the Porter-Cable Model 8604 or 8624 charger.

18. DO NOT SHORT ACROSS THE TERMINALS of the battery pack: **EXTREMELY HIGH TEMPERATURES COULD CAUSE PERSONAL INJURY OR FIRE.**

19. Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double Insulation ⧈ eliminates the need for the three wire grounded power cord and grounded power supply system.

20. DISPOSE OF EXPENDED BATTERIES PROPERLY. The Porter-Cable Battery Packs contain rechargeable nickel-cadmium batteries. These batteries must be recycled or disposed of properly. Drop off expended battery packs at your local replacement battery retailer, your local recycling center, or at a Porter-Cable Service Center (see list on back page of this manual). Applicable fees for the collection and recycling of these batteries (in the United States), have been paid to the RBRC. For further information, call:1-800-8-BATTERY.

RBRC™ is a Trademark of the Rechargeable Battery Recycling Corporation.

OPERATION

CHARGING THE BATTERY PACK GENERAL

Before using your cordless tool for the first time, the battery pack should be fully charged. If the battery pack is installed in the tool, remove it by following instructions under INSTALLING OR REMOVING BATTERY PACK.

As a battery pack approaches the discharged state, you will notice a sharp drop in tool performance. When the tool cannot perform the task, recharge the battery pack. Recharging the battery pack before this condition is reached will reduce the total work life of the pack. Discharging the pack beyond this point can damage the pack.

> **NOTE:** Battery temperature will increase during and shortly after use. Batteries may not accept a full charge if they are charged immediately after use. Allow the battery pack to cool to room temperature before charging for best results.

The battery charger may rest on the four pads provided on the bottom of the case or be mounted on a wall by utilizing the two key hole slots provided.

> **CAUTION:** Do not obstruct the vent slots in top and bottom of charger. Do not charge battery when temperature is BELOW 40°F/4° C or ABOVE 104°F/40° C.

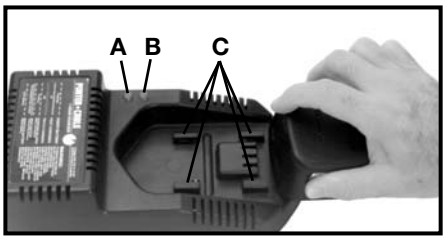

Fig. 1

Fig. 2

NORMAL CHARGING

Make sure power circuit voltage is the same as that shown on the charger specification plate. Connect charger to power source. The green light (A) Fig. 1 should begin to flash. This indicates the charger is ready to begin charging.

Position battery pack on charger. Align rails (A) Fig. 2 on battery pack with four tabs (C) Fig. 1 on charger. Slide battery forward onto charger until it stops.

The green light (A) Fig. 1 should begin to glow continuously, indicating that the battery pack is receiving a “Fast Charge” (if the green light does not glow continuously, or if the red light (B) Fig. 1 also begins to flash, see DIAGNOSTICS). After approximately one hour, the “Fast Charge” indicator light should go out indicating that the battery pack is fully charged and that the charger is now in a “Trickle Charge” mode. The battery pack can be left on “Trickle Charge” until you are ready to use it.

Depending on room temperature, line voltage, and existing charge level, initial battery charging may take longer than one hour.

Disconnect charger from power source when not in use.

DIAGNOSTICS

The Models 8604 and 8624 Chargers are equipped with a diagnostic system that automatically checks the battery pack each time a pack is inserted into the charger. If no problems are found, the charger will automatically switch to “Fast Charge” mode as described in NORMAL CHARGING. If a problem is found, it will be indicated by the charger indicator lights (see Fig. 1) as follows:

- The green light (A) continuing to flash after battery pack is inserted in charger indicates that the battery pack temperature is either too high or too low for charging. If left alone, the charger will continue to monitor the battery pack temperature and will begin charging when the temperature reaches an acceptable level.
- The green light (A) glowing continuously and the red light (B) flashing indicates the battery pack is receiving a “Fast Charge”, but the battery pack voltage is low. It is not unusual for a new or a fully discharged battery pack to give this indication for the first several minutes of charge. If the red light continues to flash throughout the charge cycle, it indicates that the pack is weak and will provide reduced performance (the pack is still useable, but will not provide maximum power or work per charge). This battery pack will probably require replacement in the near future.
- The green light (A) continuing to flash and the red light (B) flashing indicates the battery pack has failed (pack is not chargeable and requires replacement).

MAINTENANCE

KEEP CHARGER CLEAN

All plastic parts should be cleaned with a soft damp cloth. NEVER use solvents to clean plastic parts. They could very possibly dissolve or otherwise damage the material.

SERVICE AND REPAIRS

All quality tools will eventually require servicing or replacement of parts due to wear from normal use. These operations, including brush inspection and replacement, should ONLY be performed by either an AUTHORIZED PORTER-CABLE SERVICE STATION or a PORTER-CABLE SERVICE CENTER. All repairs made by these agencies are fully guaranteed against defective material and workmanship. We cannot guarantee repairs made or attempted by anyone other than these agencies.

Should you have any questions about your tool, feel free to write us at any time. In any communications, please give all information shown on the nameplate of your tool (model number, type, serial number, etc.).

PORTER-CABLE LIMITED ONE YEAR WARRANTY

Porter-Cable warrants its Professional Power Tools for a period of one year from the date of original purchase. We will repair or replace at our option, any part or parts of the product and accessories covered under this warranty which, after examination, proves to be defective in workmanship or material during the warranty period. For repair or replacement return the complete tool or accessory, transportation prepaid, to your nearest Porter-Cable Service Center or Authorized Service Station. Proof of purchase may be required. This warranty does not apply to repair or replacement required due to misuse, abuse, normal wear and tear or repairs attempted or made by other than our Service Centers or Authorized Service Stations.

ANY IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL LAST ONLY FOR ONE (1) YEAR FROM THE DATE OF PURCHASE.

To obtain information on warranty performance please write to: PORTER-CABLE CORPORATION, 4825 Highway 45 North, Jackson, Tennessee 38305; Attention: Product Service. THE FOREGOING OBLIGATION IS PORTER-CABLE'S SOLE LIABILITY UNDER THIS OR ANY IMPLIED WARRANTY AND UNDER NO CIRCUMSTANCES SHALL PORTER-CABLE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

PORTER-CABLE • DELTA SERVICE CENTERS
(CENTROS DE SERVICIO DE PORTER-CABLE • DELTA)
(CENTRE DE SERVICE PORTER-CABLE • DELTA)

Parts and Repair Service for Porter-Cable • Delta Power Tools are Available at These Locations
(Obtenga Refaccion de Partes o Servicio para su Herramienta en los Siguientes Centros de Porter-Cable • Delta)
(Locations où vous trouverez les pièces de rechange nécessaires ainsi qu'un service d'entretien)

ARIZONA
Tempe 85282 (Phoenix)
2400 West Southern Avenue
Suite 105
Phone: (602) 437-1200
Fax: (602) 437-2200

CALIFORNIA
Ontario 91761 (Los Angeles)
3949A East Guasti Road
Phone: (909) 390-5555
Fax: (909) 390-5554

San Leandro 94577 (Oakland)
3039 Teagarden Street
Phone: (510) 357-9762
Fax: (510) 357-7939

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Davie 33314 (Miami)
4343 South State Rd. 7 (441)
Unit #107
Phone: (954) 321-6635
Fax: (954) 321-6638

Tampa 33609
4538 W. Kennedy Boulevard
Phone: (813) 877-9585
Fax: (813) 289-7948

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5442 Frontage Road, Suite 112
Phone: (404) 608-0006
Fax: (404) 608-1123

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311 Laura Drive
Phone: (630) 628-6100
Fax: (630) 628-0023

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2033 West 75th Street
Phone: (630) 910-9200
Fax: (630) 910-0360

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Fax: (781) 848-6759

Franklin 02038 (Boston)
Franklin Industrial Park
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Phone: (508) 520-8802
Fax: (508) 528-8089

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Fax: (248) 597-5004

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Phone: (763) 561-9080
Fax: (763) 561-0653

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North Kansas City 64116
1141 Swift Avenue
P.O. Box 12393
Phone: (816) 221-2070
Fax: (816) 221-2897

St. Louis 63119
7574 Watson Road
Phone: (314) 968-8950
Fax: (314) 968-2790

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175-25 Horace Harding Expwy.
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Fax: (718) 423-9619

NORTH CAROLINA
Charlotte 28270
9129 Monroe Road, Suite 115
Phone: (704) 841-1176
Fax: (704) 708-4625

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Columbus 43214
4560 Indianola Avenue
Phone: (614) 263-0929
Fax: (614) 263-1238

Cleveland 44125
8001 Sweet Valley Drive Unit #19
Phone: (216) 447-9030
Fax: (216) 447-3097

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Phone: (503) 252-0107
Fax: (503) 252-2123

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Fax: (215) 658-1433

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Fax: (972) 446-8157

Houston 77055
West 10 Business Center
1008 Wirt Road, Suite 120
Phone: (713) 682-0334
Fax: (713) 682-4867

WASHINGTON
Renton 98055 (Seattle)
268 Southwest 43rd Street
Phone: (425) 251-6680
Fax: (425) 251-9337

Authorized Service Stations are located in many large cities. Telephone **800-487-8665** or **731-541-6042** for assistance locating one. Parts and accessories for Porter-Cable • Delta products should be obtained by contacting any Porter-Cable • Delta Distributor, Authorized Service Center, or Porter-Cable • Delta Factory Service Center. If you do not have access to any of these, call **888-848-5175** and you will be directed to the nearest Porter-Cable • Delta Factory Service Center. Las Estaciones de Servicio Autorizadas están ubicadas en muchas grandes ciudades. Llame al **800-487-8665** ó al **731-541-6042** para obtener asistencia a fin de localizar una. Las piezas y los accesorios para los productos Porter-Cable • Delta deben obtenerse poniéndose en contacto con cualquier distribuidor Porter-Cable • Delta, Centro de Servicio Autorizado o Centro de Servicio de Fábrica Porter-Cable • Delta. Si no tiene acceso a ninguna de estas opciones, llame al **888-848-5175** y le dirigirán al Centro de Servicio de Fábrica Porter-Cable • Delta más cercano. Des centres de service agréés sont situés dans beaucoup de grandes villes. Appelez au **800-487-8665** ou au **731-541-6042** pour obtenir de l'aide pour en repérer un. Pour obtenir des pièces et accessoires pour les produits Porter-Cable • Delta, s'adresser à tout distributeur Porter-Cable • Delta, centre de service agréé ou centre de service d'usine Porter-Cable • Delta. Si vous n'avez accès à aucun de ces centres, appeler le **888-848-5175** et on vous dirigera vers le centre de service d'usine Porter-Cable • Delta le plus proche.

CANADIAN PORTER-CABLE • DELTA SERVICE CENTERS

ALBERTA
Bay 6, 2520-23rd St. N.E.
Calgary, Alberta
T2E 8L2
Phone: (403) 735-6166
Fax: (403) 735-6144

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8520 Baxter Place
Burnaby, B.C.
V5A 4T8
Phone: (604) 420-0102
Fax: (604) 420-3522

MANITOBA
1699 Dublin Avenue
Winnipeg, Manitoba
R3H 0H2
Phone: (204) 633-9259
Fax: (204) 632-1976

ONTARIO
505 Southgate Drive
Guelph, Ontario
N1H 6M7
Phone: (519) 836-2840
Fax: (519) 767-4131

QUÉBEC
1515 Ave.
St-Jean Baptiste,
Québec, Québec
G2E 5E2
Phone: (418) 877-7112
Fax: (418) 877-7123

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St-Laurent, (Montréal), Québec
H4R 1V8
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